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Notice of Allowability**Application No.**

10/796,453

Examiner

John Kim

Applicant(s)

KOCH, WILLIAM F.

Art Unit

1723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/28/06.
2. ☒ The allowed claim(s) is/are 1, 4-22 renumbered 1, 2-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Chris Caseiro on 12/11/06.

The application has been amended as follows:

-Title has been changed as follows:

--SYSTEM FOR INSERTING AND REMOVING FRAMES OF A FLUID TRANSFER SYSTEM--.

-Claim 1, line 2: After "transfer", a comma has been added.

line 6: Between "first" and "rail", -- stationary -- has been inserted.

line 6: Between "second" and "rail", -- stationary -- has been inserted.

line 9: Between "first" and "rail", -- stationary -- has been inserted.

line 10: Between "first" and "rail", -- stationary -- has been inserted.

line 10: Between "second" and "rail", -- stationary -- has been inserted (twice).

line 18: "may be moved" has been changed to --moves--.

-Claim 5, line 1: Between "The" and "as", -- system -- has been inserted.

-Claim 6, line 1: Between "The" and "as", -- system -- has been inserted.

line 1: "4" has been changed to --5--.

-Claim 7, line 1: "4" has been changed to --5--.

-Claim 8, line 1: "4" has been changed to --5--.

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-Claim 15, line 4: Between "first" and "rail", -- stationary -- has been inserted.

line 4: Between "second" and "rail", -- stationary -- has been inserted.

line 7: Between "first" and "rail", -- stationary -- has been inserted.

-Claim 15, line 8: Between "first" and "rail", -- stationary -- has been inserted.

line 8: Between "second" and "rail", -- stationary -- has been inserted.

line 9: Between "second" and "rail", -- stationary -- has been inserted.

line 15: "may be moved" has been changed to --moves--.

-Claim 16, line 4: "filter" has been changed to --retainer--.

-Claim 18, line 2: "filter" has been changed to --retainer--.

-Claim 22, line 1: "may" has been changed to --frame--.

line 1: "include" has been changed to --includes--.

2. The following is an examiner's statement of reasons for allowance:

None of the prior art of record teaches or suggests the system of claim 1 for filtering particles out of fluid under transfer comprising a duct arranged to allow the fluid to pass therethrough wherein an inside of the duct includes a first stationary rail and a second stationary rail, a filter frame including one or more filter components retained therein and including a first channel arranged for slidable movement on the first stationary rail of the duct and a second channel arranged for slidable movement on the second stationary rail of the duct wherein the first stationary rail and the second stationary rail are arranged such that when the filter frame is positioned within the duct, the fluid passes through one or more filter components and the duct including means to establish a sealing fit between the inside of the duct and the filter frame such that the filter frame moves into and out of the duct without halting the transfer of fluid through

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the duct and the system of claim 15 for maintaining a catalyst bed arranged to contact a fluid under transfer comprising a duct arranged to allow the fluid to pass therethrough wherein an inside of the duct includes a first stationary rail and a second stationary rail, a retainer frame including one or more catalyst retainers thereof for retaining catalyst therein and including a first channel arranged for slidable movement on the first stationary rail of the duct and a second channel arranged for slidable movement on the second stationary rail of the duct wherein the first stationary rail and the second stationary rail are arranged such that when the retainer frame is positioned within the duct, the fluid passes through the catalyst and the duct including means to establish a sealing fit between the inside of the duct and the retainer frame such that the retainer frame moves into and out of the duct without halting the transfer of fluid through the duct.

Means to establish a sealing fit between the inside of the duct and the filter frame or the retainer frame such that the filter frame or the retainer frame moves into and out of the duct without halting the transfer of fluid through the duct is interpreted as air jets directing a cushion of air to prevent exhaust gas from exiting the duct when the frame is being moved into or out of the duct (see paragraph 031). Claims 4-14 depend on allowable claim 1. Claims 16-22 depend on allowable claim 15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


3. Drawings filed 8/23/04 are accepted by the examiner.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Kim whose telephone number is 571-272-1142. The examiner can normally be reached on Monday-Friday 7 a.m. - 3:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda Walker can be reached on 571-272-1151. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


John Kim
Primary Examiner
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JK
December 11, 2006